

at least play control data which defines user data items which are playable;
at least selection control data for enabling the user to select and control
reproduction of user data; and

at least variable control data for operating on user and system variables; and wherein the
variable control data comprises at least one instruction for a conditional arithmetical operation.

*C1
cancel*
2. (Amended) The record carrier according to Claim 1, wherein the at least one instruction is
embedded in Command Lists, the Command Lists comprising a Command List Header which
precedes the instruction and an unconditional goto which succeeds the instruction, and which
refers to a next list.

3. (Amended) The record carrier according to Claim 2, wherein each Command List comprises
only one instruction apart from the unconditional goto.

*C2
cancel*
5. (Amended) An apparatus for reproducing user data under control of control data comprising:
a record carrier for storing the user data and the control data in digital form, the user data
comprising at least video data and the control data comprising at least play control data, the play
control data defining user data items which are playable and selection control data for enabling
the user to select and control reproduction of the user data items, the control data comprising
instructions for conditional arithmetical operations defining operations on user and system
variables; and
a processor controllable by the control data.

6. (Amended) The apparatus according to Claim 5, wherein the processor comprises a single interpreter which is adapted to process the play control data, the selection control data and the variable control data sequentially.

7. (Amended) A method of reproducing user data under control of control data comprising:

C2 cancel.
reading the user data and the control data from a record carrier on which the user data and control data are stored in digital form, the user data comprising at least video data, the control data comprising play control data, selection control data and variable control data;

playing the user data under control of the play control data, the selection control data enabling the user to select and control reproduction of user data items, the variable control data control operating on user and system variables; and

wherein the variable control data comprises at least one instruction for a conditional arithmetical operation.

8. (Amended) The record carrier according to Claim 2,:

C3 cancel.
wherein the play control data is embedded in Play Lists, the Play Lists comprising at least a Play List Header as a first item and at least one Play Item representing playable user data and at least one reference to a further List;

wherein the selection control data is embedded in Selection Lists, the Selection Lists comprising at least a Selection List Header, at least one reference corresponding to a user selection, the Headers being mutually different; and

wherein at least one Command List contains a reference to a Play List of the Play Lists or a Selection List of the Selection Lists.